

101.512-24/03 – including *Taq* polymerase  
 101.512-24u/03u – without *Taq* polymerase

Lot No.: **74S**

## Olerup SSP® HLA-B\*07

**Product number:** 101.512-24/03 – including *Taq* pol.  
 101.512-24u/03u – without *Taq* pol.  
**Lot number:** 74S  
**Expiry date:** 2016-March-01  
**Number of tests:** 24 tests – Product No. 101.512-24/24u  
 3 tests – Product No. 101.512-03/03u  
**Number of wells per test:** 80

### CHANGES COMPARED TO THE PREVIOUS HLA-B\*07 LOT (92R):

Well	5'-primer	3'-primer	rationale
35	Added	-	5'-primer added for the B*07:143 allele.
39	Modified		Modified 5'-primer for increased yield of HLA-specific PCR product.
41	Removed	Removed	Primer pair removed for the B*07:149 allele for decreased tendency of primer oligomer formation.
59	-	Added	3'-primer added for the B*07:182N allele.
71	-	Added	3'-primer added for the B*07:181N allele.

**THE NUMBER OF WELLS** is unchanged.

### ALLELE COVERAGE:

B\*07:02 to B\*07:190, i.e. all the currently recognized HLA-B\*07 alleles, will be amplified by the primers in the HLA-B\*07 subtyping kit<sup>1,2</sup>; [www.ebi.ac.uk/imgt/hla](http://www.ebi.ac.uk/imgt/hla), 2013-April-17, release 3.12.0.

The HLA-B\*07 kit enables separation of the confirmed HLA-B\*07 alleles as listed in the IMGT/HLA database. An HLA allele is listed as confirmed by IMGT/HLA if it has been sequenced by more than a single laboratory or from multiple sources.

The HLA-B\*07 kit also enables identification of polymorphisms in exons outside of the region encoding the peptide binding domain and of null and alternatively expressed alleles

The HLA-B\*07 subtyping kit cannot distinguish the following silent mutations: the B\*07:02:01-07:02:25, 07:02:27 and 07:02:29-07:02:38, the B\*07:05:01-07:05:06, the B\*07:18:01-07:18:02, the B\*07:22:01-07:22:02 the B\*07:56:01-B\*07:56:02, the B\*07:68:01-07:68:03 or the B\*07:96:01-07:96:02 alleles.

<sup>1</sup>The B\*07:42 and 07:118 alleles may be distinguished by the different sizes of the specific PCR products generated by primer mix 26.

The B\*07:49N and 07:169 alleles may be distinguished by the different sizes of the specific PCR products generated by primer mix 73.

The B\*07:61 and 07:144 alleles may be distinguished by the different sizes of the specific PCR products generated by primer mix 33.

The B\*07:63 and 07:143 alleles may be distinguished by the different sizes of the specific PCR products generated by primer mix 35.

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The B\*07:94 and 07:135 alleles may be distinguished by the different sizes of the specific PCR products generated by primer mix 63.

The B\*07:102 and 07:106 alleles can be distinguished by the different sizes of the specific PCR products generated by primer mix 69.

The B\*07:107 and 07:181N alleles may be distinguished by the different sizes of the specific PCR products generated by primer mix 71.

The B\*07:121 and 07:126 alleles may be distinguished by the different sizes of the specific PCR products generated by primer mix 75.

<sup>2</sup>The B\*07:50 and B\*48:08 alleles will give rise to identical amplification patterns. These alleles can e.g. be distinguished by the HLA-B low resolution primer set.

#### **RESOLUTION IN HLA-B\*07 HOMO- AND HETEROZYGOTES:**

The B\*07:02,07:02 genotype gives rise to a unique amplification pattern, with the exception of some unconfirmed alleles.

#### **INFLUENCE ON THE INTERPRETATION OF HLA-B\*07 SUBTYPINGS BY NON-HLA-B\*07 ALLELES:**

None frequently occurring.

#### **MODIFICATIONS MADE DUE TO COMMENTS FROM CUSTOMERS:**

No comments received.